



Robert Brown named Personnel Director

The appointment of Robert F. Brown as Director of Personnel has been announced by Alex G. Rankin, Executive Vice-President (Non-Academic). Mr. Brown took over the position on March 15.

After graduating from McGill University in 1957 with a Bachelor of Commerce degree in industrial relations, Mr. Brown in 1959 joined Massey-Ferguson, where he held successive positions in recruitment, salary administration, training, personnel, administration and industrial relations.

In 1966 Mr. Brown was assigned to Massey-Ferguson's United Kingdom operations as general personnel administration manager and three years later became special assistant to the Director, Industrial Relations - U.K. In 1970 he was transferred to the corporate staff in Toronto as general employee resourcing manager.

Committee to recommend new Hart House Warden

Acting President John H. Sword has established the following search committee to recommend a successor to Arnold Wilkinson as Warden of Hart House:

Prof. Donald F. Forster, chairman; Prof. P. E. Burke, chairman, Hart House board of stewards; Principal A. C. H. Hallett, University College; Miss Viirlaid Helle, Victoria III; A. Lundy, chairman, Hart House graduate committee; Miss Susan Ness, Trinity II; G. E. Reid, Trinity II; John Scarrow, Medicine IV, and Prof. G. D. Scott, Physics.

The committee will welcome any suggestions or comments from members of the University community. They may be in writing or given orally, to Prof. Forster in Simcoe Hall, or to any other member of the committee.

EXHIBITIONS

McLaughlin Planetarium. "Above, Mount Olympus". To April 9. Times: Tues. to Fri., 3 and 8 p.m. Sat., 2, 3.30, 7.30 and 9 p.m. Sun., 2, 3.30, 5 and 7.30 p.m.

Representative exhibition of work of students in the Department of Architectural Art, Fanshawe College, London, Ont. March 30 to April 24. Architecture, 230 College St.

Paintings by Ronald Bloore. Hart House Art Gallery. To April 7.

Final presentations by students of their fifth year theses. April 10 to 21. Architecture, 230 College St.

"Oswald Timmas". Work by a Canadian artist who has added dimensions to the traditional medium of watercolour. Erindale College. To Apr. 15.

A & S sub-committee recommends system for part-time undergraduate education

The sub-committee elected by the General Committee of the Arts and Science Council "to give further intensive study to the problems of the Extension program and its relationship to the full-time program and to bring in concrete proposals" has submitted its report. The report was distributed to members of the General Committee prior to a meeting of the Committee scheduled for April 4.

Members of the committee were: fac-

ulty - Profs. F. Kenneth Hare, M. Israel, K. O. Kee, Mary W. Laurence, G. E. Macdonald, W. T. Sharp and J. R. Vanstone; students - Miss Carol Belford, Donald R. Cotton, Mrs. Joyce Denyer, W. J. Whelton (part-time); Ronald Struys and Ernest Hobbs (full-time). The sub-committee chose Principal Peter H. Russell of Innis College to be its non-voting chairman. E. M. Gruetzner, acting director, University Extension, and Mrs. Norma Grindal, president, Associa-

tion of Part-time Undergraduate Students, were assessors.

The sub-committee based its report upon information concerning the present situation at U of T with regard to part-time enrolments, courses, staff, and costs; attitudes of part-time and full-time students, instructors, departments, colleges and the provincial government toward part-time studies, and contemporary part-time colleges such as Atkinson and Birkbeck.

"The accumulated data", the sub-committee reported, "indicate that there are academic, administrative and social inadequacies in the present treatment of part-time students in the Faculty of Arts and Science. In our view these problems stem both from the substantial changes in the size and composition of the part-time student enrolment in recent years and from the inability of the Faculty, in the present framework, to exhibit the same degree of concern for part-time teaching as it does for its full-time instructions."

"In its approach to these problems, the committee did not think in terms of such dichotomies as 'separation' and 'integration'. Instead, we tried to reach practicable solutions to practical problems. Our recommendations, taken as a whole, do constitute a system. This system of providing education for part-time undergraduates may well incorporate much of what proponents of 'integration' advocate as well as some of the features of a 'separate but equal' college solution. We ourselves have put no label on our package of proposals . . . we leave it to our readers to characterize this package as they will. Throughout, the committee was primarily concerned with finding the best educational solutions. However, we were also concerned with the fiscal implications of our proposals. In particular we took into account the criteria (recently revised by CUA) which must be met by an Ontario university which wishes to qualify for the full BIU grant obtainable for part-time students . . . we are confident that the University would meet the criteria under the system we propose."

The sub-committee took the view that "the present arrangements for part-time students are less than ideal and indeed generally inferior to those for full-time students". To illustrate, the sub-committee said: "The range of courses available outside regular day hours is too limited"; "too few of the senior academic staff teach evening courses"; since U of T by tradition has regarded part-time instruction as "a peripheral activity far from the central concerns of the University . . . part-time students need an academic administrative representative committed to their interests and prepared to advocate their interests"; there are too few faculty committed to part-time teaching as there are at Atkinson College, for example; there are insufficient social facilities on campus for part-time students; some evening students do not receive as many hours of instruction as day students; academic counselling of part-time students is inadequate; "departments do not feel centrally concerned with part-time students" with the result that the interests of the latter "play a

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Dean predicts future of Forestry will be a 'bright and exciting' one

A "bright and exciting future" for the Faculty of Forestry of the University of Toronto is forecast by Dean Vidar J. Nordin in an article prepared for the Faculty's student publication, "The Annual Ring".

Recalling that last year's Spring number of the same publication described the future as uncertain and gloomy and even suggested that "we might . . . be better off if we moved to another university, where more financial aid would insure better facilities", Dr. Nordin, who became dean last September, forecasts that the Faculty will develop dynamically as part of the University of Toronto.

One important recent development was the recognition by the School of Graduate Studies in February of the Faculty's ability to exercise prime direction of graduate students to the Ph.D. level. Until now, the highest degree courses directed within the Faculty were at the Master's level.

Other encouraging developments that Dr. Nordin cites are:

The Faculty's operational budget has been substantially increased for 1972-73.

The Faculty has been allotted the fourth and fifth floors of the Bank of

Montreal building at 203 College St. This space, which will be occupied in May, is equal in area to all the space in the Forestry building, which is to be renovated and redesigned internally.

Several new faculty appointments are being sought in forest recreation, forest wildlife management, urban forestry, land use, forest fire science and operations research. A new appointment has been confirmed in ecology.

New contracts and grants for 1972-73 from outside agencies to promote research and graduate training will improve the teaching competence of the Faculty.

A revised first year curriculum is based on the semester system and introduces courses in orientation and effective communication. Dean Nordin says that the Faculty is also reassessing its roles and objectives and the scope of its programs in fields such as urban forestry, wildlife management and the environment.

Two advisory groups are also being established. One will be an all-student committee to advise the Dean on matters of concern to students; the other will represent external agencies in the private sector and government.

U of T will be host of conference on Latin America and Caribbean

A major Conference on Latin America and the Caribbean, which will bring together scholars from many parts of the West Indies, Latin and South America, the United States and Canada, will be held at the U of T on April 7, 8 and 9. The theme of the conference is External Dependence and Problems of Development in Latin America and the Caribbean, and it is being planned and sponsored by the Latin American Studies Committee of the International Studies Program. All sessions will be held in the Medical Sciences Auditorium and are open to members of the University community and the public at no charge.

The following is the agenda for the Conference:

Friday, April 7

9 a.m. "Unequal Exchange", Prof. Oscar Braun, Instituto Torcuato di Tella, Buenos Aires; discussant: Prof. Melville Watkins. "New Forms of Imperialism in Latin America", Dr. Anibal Quijano Obregon, Dept. of Sociology, University of San Marcos, Lima, Peru; discussant: Prof. Benson Brown, Dept. of Economics, Sir George Williams University.

2-5.30 p.m. Round table discussion chaired by Prof. Jose Nun, Latin American in Residence, 1971-72, U of T.

Saturday, April 8

9 a.m. "Brazilian Sub-imperialism in Latin America", Prof. Ruy M. Marini,

Centro de Estudios Socio-Economics, University of Chile; discussant: Prof. Milton Santos, Dept. of Urban Studies and Planning, Massachusetts Institute of Technology. "The State and Relationship to Dependence in Latin America", Prof. Octavio Ianni, Brazilian Centre for Research in Planning and Development, Sao Paulo; discussant: Prof. Phillippe Schmitter, Dept. of Political Science, University of Chicago.

2-5.30 p.m. "Canada, the Caribbean and Multinational Corporations", Prof. Kari Levitt, Dept. of Economics, McGill University; discussant: To be announced. "Aspects of Dependence in the Caribbean", Prof. Owen Jefferson, Dept. of Economics, University of the West Indies, Jamaica; discussant: Prof. W. Konkak, Dept. of Economics, St. Francis Xavier University. "Comparing Development of Dependence in Latin America and the Caribbean", Prof. Norman Girvan, Dept. of Economics, University of the West Indies; discussant: Prof. M. Frankman, Dept. of Economics, McGill University.

Sunday, April 9

11 a.m.-2 p.m. "The Problems of External Dependence as Seen by an Anthropologist", Prof. Herman Konrad, Dept. of Anthropology, University of Calgary; discussant: Prof. Jacques Dofny,

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APRIL 12 DEADLINE

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COMING EVENTS

APRIL

5 WEDNESDAY

- Lectures**
Molière
 "Nouvelles recherches sur Molière". Prof. Robert Garapon, University of Paris-Sorbonne, former visiting professor in U.C. Upper Library, Massey College. 4 p.m.; coffee at 3.30. (French, UC)
- Mathematics**
 "Vector Bundles and Uniformization". Prof. Robert Gunning, Department of Mathematics, Princeton University. 5017A Sidney Smith Hall. 4.10 p.m. (SGS and Mathematics)
- Seminar**
Nutrition
 "Nutrition in Pregnancy". Mrs. Agnes Higgins, Executive Director, Montreal Diet Dispensary. 124 Lillian Massey Building. 1 p.m. (Food Science and Household Science Alumnae)
- Music**
 ROM Jubilee Concerts — Sente Wind Quintet (principal wind players of Hamilton Philharmonic). Fresco Gallery. 8.30 p.m. Free.

6 THURSDAY

- Lectures**
Literature
 "The Unquiet Heart: The Role of Time in the Poetry of Antiquity and the Middle Ages". Prof. E. D. Blodgett, Acting Chairman of Comparative Literature, University of Alberta. Upper Library, Massey College. 4.15 p.m. (SGS and Comparative Literature)
- Nazi background*
 "Background to the Nazi Victory: Germany, 1871-1933". Prof. Gerhard A. Ritter, University of Münster (visiting at the University of California, Berkeley). 1016 New College. 3 p.m. (History)
- Anthropology*
 "Urbanization Studies in Changing Africa". Dr. Peter Gutkind, Department of Anthropology, McGill University. 432 Ramsay Wright Zoological Laboratories. 3-5 p.m. (SGS and Anthropology)
- Linguistic Studies*
 "Variable Strength". Prof. John Robert Ross, Department of Linguistics, Massachusetts Institute of Technology, Cambridge, Mass. Room 2135 Sidney Smith Hall. 3-5 p.m. (SGS and Centre for Linguistic Studies)
- Dialogue**
Social Science
 "Social Science Perspectives on Modernization Studies: a Dialogue". Prof. Peter Gutkind, Department of Anthropology, McGill University. 432 Ramsay Wright Zoological Laboratories. 12.15 p.m. (African Studies Committee, ISP)
- Seminars**
History
 "Aspects of French Social History". Prof. Richard Cobb, Balliol College, Oxford. 2053 New College. 10 a.m.-12 noon. (SGS and History)
- Computer*
 "Interactive Animation Systems and Animated Interactive Systems". Dr. R. Baeker, University of Maryland. 202 McLennan Physical Laboratories. 3 p.m. (Computer Science)
- Environment/Law*
 "Public Rights to a Decent Environment: A New Role for the Courts in Achieving Environmental Quality?". Prof. A. D. Tarlock, School of Law, Indiana University. 211 Mill Building. 4 p.m. (Environmental Sciences and Engineering)
- Materials*
 "Development of a New Superplastic Zinc Alloy and its Deformation Characteristics". Prof. P. Niessen, Department of Mechanical Engineering, University of Waterloo. 116 Wallberg Building. 4 p.m. (Materials Research Centre)

7 FRIDAY

- Lectures**
French history
 "Aspects of French Social History". Prof. Richard Cobb. 1017 New College. 11 a.m. (SGS and History)
- Pharmacology*
 "Kinetics of Drug Action". "Pharmacokinetics of Salicylate Elimination in Man". Dr. Gerhard Levy, Department of Pharmaceutics, State University of New York at Buffalo. Medical Sciences Building. 11 a.m. and 4 p.m. (Times are tentative) (SGS and Pharmacology)
- Business*
 "With Gun and Camera in Search of the Missing Beta Factor". Prof. Merton H. Miller, Professor of Banking and Finance, Graduate School of Business, Department of Economics, University of Chicago. Conference Room, 7th floor, 246 Bloor St. W. (Business)
- Chemistry*
 "Progress and Problems in Organic Synthesis". Prof. Gilbert Stork, Columbia University. 158 Lash Miller Chemical Laboratories. 4 p.m. (SGS and Chemistry)
- Seminar**
Germany
 "The German Revolution, 1918-1919". Prof. Gerhard Ritter. 2053 New College. 2 p.m. (SGS and History)
- Conference**
Latin-American and Caribbean
 "External Dependence and Problems of Development in Latin America and the Caribbean". April 7, 8 and 9. (Latin-American Studies, ISP) See story on page 1.

10 MONDAY

- Colloquiums**
Computer
 "Abstract Animation by Computer" and showing of abstract animation movies. Mrs. Lillian Schwartz, Bell Telephone Laboratories, N.J. 203 McLennan Physical Laboratories. 3.45 p.m. (Computer Science)
- Chemistry*
 "Collisions of Alkali Atoms with Halogen Molecules". Prof. P. Davidovits, Yale University. 158 Lash Miller Chemical Laboratories. 4 p.m. (Chemistry)

11 TUESDAY

- Lectures**
Astronomy
 "Results of Recent VLBI Observations of OH and Water Vapour". Dr. James M. Moran, Smithsonian Astrophysical Observatory, Mass. David Dunlap Observatory, Richmond Hill. 4 p.m. (SGS and Astronomy)
- Philosophy*
 "Philosophy and Ideology". Prof. R. Hinners, Department of Philosophy, Loyola University, Montreal. Combination Room, Trinity College. 8 p.m. (SGS and Philosophy)

12 WEDNESDAY

- Lecture**
Anthropology
 "The Dinosaur Has a Birthday". Dr. William E. Swinton. 3154 Medical Sciences Building. 4 p.m. (IHPST)

13 THURSDAY

- Seminar**
Environment
 "Man-Environment Studies: One Approach to Undergraduate Education". Prof. George R. Frances, Professor and Chairman, Division of Environmental Studies, University of Waterloo. 211 Haultain Building. 4 p.m. (Environmental Sciences and Engineering)

19 WEDNESDAY

- Film**
 Documentary film on the English painter Duncan Grant and The Bloomsbury Group, of which he was a member. Included will be his reminiscences of Virginia Woolf, Lytton Strachey, and others. The film was made at Charleston, Sussex, where various members of the Group lived and painted. Free. 104 UC. 4 p.m. (English, UC)

20 THURSDAY

- Seminar**
Materials
 "Application of Levitation Melting to the Study of Steel-Making Reactions". Prof. A. McLean. 116 Wallberg Building. 4 p.m. (Materials Research Centre)

U of T will be host of conference on Latin America and Caribbean

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Dept. of Sociology, University of Montreal. "A Peruvian Dilemma: Growth or Dependence?" Prof. H-G Hambleton, Dept. of Economics, Laval University; discussant: Prof. L. North, Dept. of Political Science, York University. "Cuba's Experience with Hegemonic Interdependence", Prof. Arch Ritter, Dept. of Economics, Carleton University; discussant: Prof. Ian Lumsden, Dept. of Political Science, Atkinson College, York University.

3-5.30 p.m. Round table discussion chaired by Prof. Gordon K. Lewis, University of Puerto Rico, San Juan.

The publications of a number of the speakers will be well known to scholars of Latin America: Norman Girvan is the author of *The Caribbean Bauxite Industry* (1967); Gordon K. Lewis has written *The Growth of the Modern West Indies* (1968) and *Puerto Rico: Freedom and Power in the Caribbean* (1963). Octavio Ianni is the author of *Crisis in Brazil* (1971), *Estado e Capitalismo* (1965), *Industrialização e Desenvolvimento Social no Brasil* (1965) and *Raças e Classes Sociais no Brasil* (1966), among other publications. Oscar Braun has written *Desarrollo del Capital Monopolista en Argentina* (1969), *Comercio Internacional e Imperialismo* (1971), and Sections 8 and 13 in *Development in a Divided World* (ed: Dudley Seers and Leonard Jog) (1971). Ruy Mauro

Marini is the author of *Subdesarrollo y revolución* (1969), *La dialéctica del desarrollo capitalista en Brasil* in "Cuadernos Americanos" (May-June 1966), and Chapter 5 of *Sociología del desarrollo Latino Americano* (1970) (Pablo González Casanova et al).

Anibal Quijano has written a chapter in *Elites in Latin America* (ed. S. M. Lipset and A. E. Solari), and *Nacionalismo, Neoliberalismo y Militarismo en Peru* (1971) (English translation by Monthly Review Press), among other works. Kari Levitt is the author of *Canada-West Indies Economic Relations* (1967) and *Silent Surrender* (1970).

Fiesta on Saturday Night

A dance/party with the atmosphere of a Latin American Fiesta will be held on Saturday night, April 8, at 8.30 p.m. in the International Student Centre, 33 St. George Street, as part of the Conference. The bands will play West Indian and Latin American music and the Fiesta atmosphere will be further enhanced by exotic Caribbean food.

The Fiesta is open to the University community and the public. \$2 per person.

Registration

For information about registration to all sessions and events, including a reception and a dinner at which Prof. Gordon Lewis of Puerto Rico will speak, please call 928-3350.

Appointed & Promoted

Graduate Studies

PROF. HENRY G. SCHOGT has been appointed chairman of the Graduate Department of French, effective July 1, succeeding Prof. Eugène Joliat, who has served in the same capacity for five years.

Prof. Schogt is a graduate of the University of Amsterdam and obtained his doctorate from the University of Utrecht. He taught at Utrecht, the Sorbonne and Princeton before coming to Toronto in 1966 as an Associate Professor in the Department of French, University College. In 1969 he was appointed full professor.

Prof. Schogt is an internationally recognized linguist and philologist with numerous publications in the field of French language. Besides some thirty articles and reviews in various journals, he is the author of *Les Causes de la double issue de e fermé tonique*

libre en français (Amsterdam, 1960), *Le Système verbal du français contemporain* (The Hague, 1968) and "La dynamique du langage" in *Langage* (Encyclopédie de la Pléiade, Paris, 1968).

Medicine

PROF. Q. RAE-GRANT has been appointed vice-chairman of the Department of Psychiatry.

The Library

Miss Jeanette Schmidt has been appointed head of the Government Publications Section of the U of T Library, effective April 3. Miss Schmidt was formerly head of the Serials Department at the University of Waterloo Library. She has her B.A. from University of Western Ontario and B.L.S. and M.L.S. degrees from Toronto.

Ph.D. Orals

All members of the Graduate Faculty have the right to attend Ph.D. Oral Examinations.

Friday, April 7

J. C. Fisher, Department of Mathematics. "A Classification of Pappian Affinities". Thesis supervisor: Prof. H. S. M. Coxeter. Room 201, 65 St. George Street. 2 p.m.

Friday, April 14

Millan M. Millan, Department of Aerospace Studies. "A Study of the Operational Characteristics and Optimization Procedures of Disperse Correlations Spectrometers for the Detection of Trace Gases in the Atmosphere". Thesis supervisor: Prof. S. J. Townsend. Room 107, 16 Hart House Circle. 2 p.m.

B. C. Cilligan, Department of Mathematics. "Some Generalizations of Theorem B of Cartan". Thesis supervisor: Prof. E. Stamm. Room 201, 65 St. George Street. 2 p.m.

W. R. L. Clements, Department of Physics. "High-Resolution Raman Spectroscopy with Laser Excitation". Thesis supervisor: Prof. B. P. Stoicheff. Room 108, 16 Hart House Circle. 2 p.m.

Tuesday, April 18

H. S. Martinez, Centre for Medieval Studies. "El Poema de Almería y su Significado en la Epica Romanica". Thesis supervisor: Prof. E. von Richthofen. Room 108, 16 Hart House Circle. 2 p.m.

Wednesday, April 19

A. M. Dawes, Department of Mathematics. "First-Order Hierarchies in General Models and in Models of Peano Arithmetic". Thesis supervisor: Prof. D. A. Clarke. Room 107, 16 Hart House Circle. 2 p.m.

Friday, April 21

P. G. Thu, Department of Mathematics. "The Brays Process and Non-Quasi-Analyticity in Several Variables". Thesis supervisor: Prof. M. P. Heble. Room 107, 16 Hart House Circle. 2 p.m.

Tuesday, April 25

Don Brunette, Department of Medical Biophysics. "Membrane Properties of Mouse L-Cells". Thesis supervisor: Prof. J. E. Till. Room 107, 16 Hart House Circle. 10 a.m.

Wednesday, April 26

C. F. M. Twigge-Molecey, Department of Mechanical Engineering. "Vortex Induced Vibrations of an Equilateral Triangular Section". Thesis supervisor: Prof. W. D. Baines. Room 107, 16 Hart House Circle. 10 a.m.

Mrs. L. Eelen, Centre for Medieval Studies. "The Illumination of the Pauline Epistles in French and English Bibles of the Twelfth and Thirteenth Centuries". Thesis supervisor: Prof. G. S. Vickers. Room 107, 16 Hart House Circle. 3 p.m.

Extension headquarters

is moved to 119 St. George

E. M. Gruetzner, acting director of the Division of University Extension, and his staff have moved their headquarters from Falconer Hall on the west side of Queen's Park Crescent beside the McLaughlin Planetarium to 119 St. George St., south of Bloor St. W. Their new location is a large house formerly occupied by the School of Business. Most of the space in Falconer Hall will be assigned to the Faculty of Law, housed in buildings directly to the south.

A & S sub-committee proposes a 'system' for part-time education

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very minor role when important decisions are to be made"; a full course cannot be presented adequately in the present summer session of six weeks; many departments use for Extension teaching volunteers who undertake additional work for extra compensation and whose "unpredictable availability" inhibits effective planning and the mounting of a rational and balanced program.

"We hesitate, on several grounds, to identify part-time and older students . . . we concluded that we should keep in mind that many part-time students are older and therefore may have different life styles from the typical undergraduate", the report continued.

The sub-committee agreed that there should be no sharp regulatory distinction between part-time and full-time students. Its first recommendation therefore was that:

Basic academic regulations be identical for full-time and part-time students.

The sub-committee said that, while course availability should be determined ultimately by departments, "in general we consider that all the offerings of the Faculty should be open to evening or summer students" and therefore recommended that:

Each department plan its offerings in winter and evening sessions in such a way that each course is normally available outside the 9-4 week day hours at least once every three years. Courses presently offered in Extension should continue to be offered with at least comparable frequency.

The sub-committee said there was "substantial dissatisfaction with the six week day summer session. Its future is not entirely clear to us." It recommended that, "for the immediate future":

The summer day session should be lengthened to seven weeks.

Because there may be increased demand from winter full-time students for summer courses, and a 12 week summer session might have to be considered, the sub-committee suggested that:

The future of the summer day session be studied in detail by a special committee of Council.

Six recommendations were put forward with regard to timetable and scheduling problems. The sub-committee then discussed financing arrangements "which seem to us to be of central importance." A study was made of Atkinson College, where evening instruction is given by staff specially hired for that purpose, which is "financially viable on formula finance", and where part-time students are "separate but equal." The sub-committee said that "on balance, we believe that in our particular circumstances budgetary integration seems more likely to be successful than the Atkinson model. We do not think a separate college could attract staff comparable with those of the Faculty generally without involvement in graduate work. Scarborough College experience suggests problems with two separate staffs competing in graduate work. . . . A separate college would introduce budget rigidities. . . ." It was recommended that:

Instruction in the summer and evening in University subjects should be paid from regular departmental budgets.

The sub-committee said that "overload" teaching as a general practice inhibited effective planning. Moreover, the new BIU rules provided "a concrete incentive to reduce overtime teaching to a minimum", and the sub-committee made that a recommendation. It was also suggested that a staff member teaching a summer course as part of his normal duties should have his or her winter teaching load reduced by one course.

"The recommendations of the PACE report", the sub-committee said, "have been attacked as ours might be as an infringement of staff rights, i.e., that some staff would be asked to work traditional or inconvenient hours. We believe that many staff would prefer to teach on Wednesday, for example, from 7.30 to 9.30 p.m. instead of Tuesday and Thursday at 9 a.m., and that others would welcome the possibility of a

winter term free of teaching duties. We believe that departmental good judgment would avert the problems that can arise if one insists that a given staff member teach at an hour highly uncongenial to him."

The sub-committee saw difficulties in applying to College subjects its recommendation that instruction in University subjects be paid from regular departmental budgets, since each College has its own budget. But the sub-committee felt that part-time students should have access to the academic strength of all the Colleges on the St. George Campus. It therefore recommended that:

Evening and summer instruction in College subjects should remain the responsibility of the University but be sub-contracted to the Colleges on terms that make the cost to the University comparable to the cost if such instruction was provided in University departments in the Faculty.

There has been disagreement, the report said, about the formation of new colleges for part-time students. "A college exclusively for part-time students might perpetuate segregation . . . several St. George Campus colleges are willing to admit some numbers of part-time students, but none considers that it

can admit substantial numbers without sacrificing its character. Accordingly, formation of at least one more college is necessary". The sub-committee recommended that:

A new college, X College, should be formed on the St. George Campus, designed primarily for part-time students but not restricted to them.

Each student in the Faculty of Arts and Science, full-time or part-time, should be a member of a college.

The sub-committee said it was "essential that the Principal of X College be a respected and senior academic" and that the new college should have few, if any, full-time academic staff, but that a number of the teaching staff be cross-appointed to it. X College, the report continued, should have the right to initiate its own non-departmental courses and should pay special attention to counselling services. The report urged that the Faculty offices be open from Monday to Thursday evenings for the benefit of part-time students and that departments provide evening counselling services as needed.

Although improvements in part-time instruction at Scarborough College were beyond the jurisdiction of the General Committee, the sub-committee hoped

that its basic recommendations could be applied to Erindale College and recommended that:

Financial and administrative responsibility for the instruction of part-time students at Erindale be assumed by Erindale College.

The sub-committee considered that the facilities of X College should be available on a voluntary basis to part-time students in other Faculties and accordingly X College should be a multi-faculty institution. Other Faculties were asked to consider assuming budgetary responsibility for their own programs for part-time students.

Formal separation of continuing education and degree programs for part-time students was recommended, although it was made clear that this did not imply that continuing education was of secondary importance. "We consider that continuing education is important enough that it needs an identity of its own and should not be formally associated with X College." X College should, however, continue informal co-operation with the Extension Division. Certificate courses associated with Arts and Science and pre-university courses should continue to be a responsibility of the Division, the report concluded.



Professor A. E. Samuel (left) and the Hon. Donald S. Macdonald

Rare papyri donated to U of T by the British Museum

A rare collection of documents that antedate the birth of Christ by from 230 to 280 years have been donated to the University of Toronto. They have been donated by the trustees of the British Museum so that Dr. A. E. Samuel, professor in the Department of Classics, University College, and an experienced papyrologist, can decipher them.

The papyri were discovered in a small town named Hibeh, on the east bank of the Nile, in 1902 and 1903 by two British scholars, Bernard Grenfell and Sir A. S. Hunt. They had been used to wrap mummies found in the cemetery there.

Rated by Dr. Samuel as the largest collection of papyri in Canada and prob-

ably the largest in North America, they contain an odd assortment of historical gems that include literary works by classical Greek authors, legal documents, a calendar of festivals, official correspondence and official regulations and many private documents. The first publication based on these texts was in 1908 and a further one appeared in 1955 but these have by no means exhausted the papyri.

Dr. Samuel, who had been working on some texts in the Royal Ontario Museum, says he will now drop everything to work on the new documents and he estimates that there will be at least 10 years work for himself and his students. They will be aided by a major recent library acquisition, the research collection of Michael

Ivanovitch Rostovtzeff, a world-famous ancient historian, which had been kept together by one of his students, C. Bradford Welles of Yale University.

The library was brought to Toronto in 1970 as a result of the initiative of a number of Canadian professors. The library is now being catalogued under the Federal Government's Local Initiatives Program and should be ready for use by the Spring.

The latest acquisition of papyri was brought to Canada from London in three large cardboard boxes by Canadian diplomatic courier, at the instigation of the Hon. Donald S. Macdonald, federal minister of Mines and Energy Resources and M.P. for Rosedale.

STAFF NOTES

ARTS AND SCIENCE

Prof. S.P.S. Anand on Aug. 11 gave a colloquium at the University of Mexico on "Fission Theory of Binary Stars" and on Nov. 9 at the Joint Institute for Laboratory Astrophysics of the University of Colorado on the same topic.

Prof. M.J. Clement gave a paper at the American Astronomical Society meeting in San Juan, Puerto Rico, Dec. 8, on "Rapid Differential Rotation in Radiative Envelopes".

Prof. J.D. Fernie gave a paper at the Bamberg (Germany) Conference on Variable Stars in August on "Photometry of R Cr B"; on Nov. 5-6 he attended the meetings of the American Astronomical Society's Committee on Education in Astronomy; on Jan. 6 he addressed the Canadian Society of the History and Philosophy of Science in Toronto on "Scientific Intuition as a Paradigm in the History of Modern Astronomy".

Prof. R.F. Garrison took part in the International Astronomical Union's Symposium No. 50 on "Spectral Classification and Multicolour Photometry" in Cordoba, Argentina, Oct. 18-24; on Nov. 19 he gave a colloquium at Northwestern University in Evanston on "Spectra of Mira Variables".

Prof. Helen Hogg presided at the first meeting of the Canadian Astronomical Society here on Nov. 11-12; on Nov. 30 she was a guest at a dinner given by Governor-General and Mrs. Michener in honour of Nobel Laureate Gerhard Herzberg.

Prof. P.P. Kronberg on Nov. 19 gave a colloquium to the Physics Department of the University of Montreal on "Recent observations des quasars par les méthodes de radio astronomie"; at the American Astronomical Society meeting at San Juan, Dec. 8, he gave a paper on "The Polarization of Radio Sources with Appreciable Red Shifts".

Prof. D.A. MacRae attended the symposium on "The Processing of Telescopic Images" at Laval University in October; he attended a meeting of the Board of Trustees of the Universities Space Research Association in New York City, Jan. 26-27.

Prof. J.R. Percy gave a paper at the Bamberg (Germany) Conference on Variable Stars in August on "Stoher's and Simon's Binary Star Hypothesis of Beta Canis Minor is star Pulsation". On Oct. 23 he addressed the Regional Conference of the Science Teachers Association of Ontario in London on "Astronomy and Space and Man".

Prof. R. Racine took a leading part in the opening of the new Laval University Observatory and gave an invited paper during the attendant symposium on "Détection et mesure d'étoiles faibles".

Prof. S. van den Bergh has been elected for a five-year term to the Editorial Board of the Astrophysical Journal. He gave colloquia on "The Nuclear Bulge of the Galaxy" at the University of Rochester on Nov. 29, at Harvard on Dec. 2, at the American Astronomical Society Meeting in San Juan on Dec. 6, and at the University of Maryland on Jan. 6.

Prof. Keith Ellis read a paper "Sobre la enseñanza de la literatura and participated in a panel discussion of the topic at the annual meeting of the American Association of Teachers of Spanish and Portuguese in Chicago in December.

From May to July, 1971, Prof. D.B. Redford was director of the joint epigraphic and archaeological expedition of the Society for the Study of Egyptian Antiquities and the State University of New York (Binghamton) at the temple of Osiris, Karnak, Egypt. While on sabbatical in Cairo from August to December, Redford was co-director and consultant with the Akhenaten Temple Project of the University Museum, University of Pennsylvania.

Dr. C.O. Hines was made a member of the American Meteorology Society at the annual business meeting of the Society held in New Orleans on Jan. 12.

Prof. G. Zekulin gave a lecture on Nov. 25 on "A.I. Solzhenitsyn: Some Aspects of His Craftsmanship" at Queen's University.

UNIVERSITY COLLEGE

Prof. Clifford Leech lectured at York University on Jan. 25 on "Shakespeare among his Fellows", and at the University of Michigan on "Faustus and the Idea of Damnation", on Jan. 31.

Prof. C. Cloutier-Wojciechowska attended the American Society of Aesthetics Congress, in Los Angeles, Oct. 27-30. She was invited to give a reading of poems at University of British Columbia on Nov. 10.

Prof. V.E. Graham visited the campus of Rice University, Houston, Nov. 11-13. He gave an illustrated public lecture on "The 1571 Paris Entry of Charles IX" and conducted a graduate seminar on "La métaphore dans l'oeuvre de Marcel Proust".

VICTORIA COLLEGE

Prof. P.A.R. Bouissac was elected to the Executive Committee of the International Association for Semiotic Studies at a meeting of the Association held at Parma (Italy), Oct. 3-5.

Prof. K.J. Joblin attended the conference in Ottawa in November on "Asia in the Seventies" and presented a paper, "Will Confucianism Survive?"

R.T. Lutz and E.G. Clarke attended a conference on Hebrew and Ugaritic Studies held at McMaster University on Jan. 14. Prof. Clarke read a paper, "Some Aspects of Ugaritic Correspondence".

KNOX COLLEGE

Prof. A.L. Farris, a member of the Theological Division of the World Alliance of Reformed Churches, Presbyterian and Congregational, attended the meetings of the North American Area in Atlantic City, Jan. 3 to 6.

ST. MICHAEL'S COLLEGE

Prof. J.C. Kuhn gave a lecture on "Matthew Arnold's poetry" to the students in the Victorian Studies course at Trent University. He also read a paper on "Beyond Rigid Categories" to the Nineteenth-Century Club.

SCARBOROUGH COLLEGE

Prof. P.P. Kronberg has recently given the following: Colloquium at the Physics Department, Université de Montréal, on Nov. 19, on Récentes observations des quasars par les méthodes de radio astronomie; a paper read at the American Astronomical Society meeting, San Juan, Puerto Rico, in December on "The Polarization of Radio Sources with Appreciable Red Shift"; an invited Paper, read at the November meeting of the Royal Astronomical Society: P.P. Kronberg, (U. of T.), R.G. Conway and J.A. Gilbert (U. of Manchester), on "The Polarization of Radio Sources with Appreciable Red Shift".

Prof. Anatol Rapoport received the Doctorate of Humane Letters from the University of Western Michigan on Dec. 18.

ERINDALE COLLEGE

Prof. C.I. Reid attended the annual convention of the American Philological Association in Cincinnati, Dec. 27-30, and took part in a seminar on the historian, Ephorus.

Prof. T.M. Alloway presented a paper entitled "Retention of Learning through Metamorphosis in the Grain Beetle (Tenebrio molitor)" at the symposium on Invertebrate Behavior held at the annual convention of the American Association for the Advancement of Science in Philadelphia, Dec. 27-28.

Prof. J.C. Munday presented a paper at the APRO UFO symposium at the University of Arizona, Nov. 22-23, on "Biophysical Data Associated with Close Encounter UFO Reports". On Dec. 16 he presented a talk at The Canada Centre for Inland Waters in Burlington on "Remote Sensing in the Coastal Environment".

Prof. P. Payne is the editor of a new book *Germany Today* a University Paperback Original published by Methuen in a first edition of 10,000 copies. Prof. Payne also contributed a chapter on "The German Press".

Prof. I.W.J. Still has been granted a six-month sabbatical leave to pursue research work at the University of Reading, England.

MEDICINE

Dr. R.C.A. Hunter has been appointed chairman of the Advisory Board of the Ontario Mental Health Foundation.

APPLIED SCIENCE AND ENGINEERING

Prof. W.M. Wonham attended the International Conference on Mathematical System Theory, Captiva Island, Fla. Jan. 17-19, where he presented a lecture on "The Algebraic Regulator Problem".

Prof. H.J. Leutheusser has been appointed for a three year term to the Board of Editors of the Journal of Hydraulic Research of the International Association for Hydraulic Research.

Prof. K.T. Aust presented seminars at Queen's University on Sept. 15 and at McMaster University on Nov. 1. He was chairman of a session on "Grain Boundaries" at a national AIME meeting in Detroit on Oct. 18. Prof. Aust also presented an invited paper entitled, "Segregation and Corrosion at Grain Boundaries" co-author, O. Iwao, at the International Conference on Localized Corrosion at Williamsburg, Va. on Dec. 6.

MUSIC

Prof. John Weinzwieg presented a public lecture at the University of Saskatchewan at Saskatoon on "New Ways and trends in Contemporary Music". During this campus visit, Nov. 4-6, he participated in seminars with students and staff and discussed some aspects of his lecture on television. On Nov. 6 the Saskatoon Symphony Orchestra performed his "Symphonic Ode" which the orchestra commissioned in 1958.

O.I.S.E.

Dr. Sar Biland Khan attended the Inter-american Congress of Psychology held in Panama, Dec. 18-22, and presented a paper entitled, "Operational Equivalence of Measurements in Cross-cultural Research".

Dr. E.B. Harvey's recently completed research study of the changing employment situation for university graduates in Ontario is soon to be published by the Commission on Post-secondary Education in Ontario. This study is based on the responses of over 4,000 students

receiving their B.A. and B.Sc. degrees between 1960 and 1968. Dr. Harvey has also been the recipient of a grant in aid of research from the Department of University Affairs to extend his study of Educational Systems and the Labour Market with sample populations of Ph.D., M.A., and community college graduates.

A paper entitled "Beliefs of Personal Control, Time Perspective and Optimism of Mexican and Canadian Students" by Dr. A. Wolfgang and Martha Sanchez Craig was presented at the 13th Interamerican Congress of Psychology, Panama City, Dec. 20. Dr. Wolfgang also presented "A Comparison of Ontario Students, Teachers, School Administrators and Guidance Counselors in Beliefs of Personal Control and Future Time Perspective" to the 13th Annual Conference of the Ontario Educational Research Council, Dec. 3.

Dr. Ken O'Bryan has been giving a series of talks on the Educational Psychology in Sesame Street, a Children's Television Workshop Production. He spoke at McArthur College, Kingston, on Jan. 14, Toronto Teachers' College in October, and McMaster University in July. With Dr. Harry Silverman, Dr. O'Bryan presented a paper entitled "Perceptual Motor Handicap and School Achievement" to the annual convention of the Council for Exceptional Children at Hamilton in October.

Dr. Carl Bereiter participated at the National Institute for Education Curriculum R and D Meeting in Washington, Dec. 17 and 18.

"Play and Its Function in Learning", "The Function of Play in Education," and "The Challenge of Putting Play into the Curriculum" were the topics of three addresses given during September and October, by Dr. O. Weininger to the Thunder Bay Teachers' Institute, a group of teachers in Cobourg, and to Primary School consultants, in Hamilton. He was also a panel member during the October conference of the Council for Childhood Education, at the Royal York Hotel. On Dec. 26, Dr. Weininger spoke on "The Treatment Process in Emotionally Disturbed Children" at a seminar of the Child Psychiatry Department of the Hospital Ste. Justine in Montreal. On two recent programs on CBC-FM, (Jan. 6 and 11), Dr. Weininger discussed "Play and Education" and "The Importance of Early Experiences".

SOCIAL WORK

Prof. James Albert was elected President of the Board of Wood Green Community Centre.

Dr. Donald F. Bellamy presented a report to the Commissioner of Social Services for Metropolitan Toronto on a preliminary study of services of his Department, June 1971. He was appointed a member of an ad hoc committee of the Ontario Welfare Council to meet with the Task Force on Employment Opportunities for Welfare Recipients which was appointed by the Minister of Social and Family Services of the Province of Ontario, Dec. 10.

Dr. Francis Bregba presented a paper on "Canadian Economic Relations with Latin America" at the annual meeting of the Canadian Association for Latin America in Montreal, Oct. 14. He also chaired a panel discussion on Canadian Aid programs during the annual meeting of the World University Service of Canada in Toronto, Nov. 20-21.

Dr. John Gandy appeared before the Standing Committee of the House of Commons on Justice and Legal Affairs as witness for Bill C-192 (The Young Offenders Act), on Sept. 14.

Dr. Elizabeth Govan attended a one-day "consultation" at the Whitby Psychiatric Hospital. This was the first session of an in-service training program for the social work staff of the hospital.

Dr. Howard Irving led a two-day workshop on "Family Treatment" for the Northern Ontario Children's Aid Societies in Sundridge, Ont. Oct. 29-30. He also participated in a panel discussion at the Upper Canada Law Society Continuing Education Program on Nov. 13.

Dr. Camille Lambert was appointed to the Research Advisory Committee, Welfare Grants Administration of the Department of National Health and Welfare. He also conducted a two-day Institute Research at the Etudes Spécialisées en Service Social, Université de Sherbrooke in November.

Dr. Nathan Markus was appointed a member of the Personnel Committee of the Social Planning Council of Metropolitan Toronto. On Nov. 24 and 25 he led a workshop on "The Relationship of the Executive Director and the Board in Voluntary Social Service Organizations", sponsored by the United Jewish Welfare Fund of Metropolitan Toronto.

Dr. Donald E. Meeks presented a paper, "Education in the Field of Heroin Abuse", at a workshop on heroin use and addiction sponsored by the Department of National Health and Welfare in Ottawa, Dec. 3. He also presented a paper "psychological Factors in Counselling the Handicapped", to a conference of the Vocational Rehabilitation Branch, Department of Social and Family Services, Toronto, Nov. 24. He attended a workshop sponsored by the Family Service Association of Washington, (D.C.) Dec. 8-9.

Dr. Ben-Zion Shapiro participated in a panel discussion at the Toronto Branch Meeting of the Ontario Association of Professional Social Workers with representatives of legal, medical, nursing and teaching professions, Oct. 12. He was consultant to the Catholic Children's Aid Society in the development of group service in the Child Care Department.

HYGIENE

Dr. R.J. Shephard attended the Committee on Institutional Cooperation of Major League Football "Physiology of Exercise Symposium" at the University of Minnesota Nov. 1-2 giving an invited lecture on exercise and the lungs. Dr. Shephard attended the Ontario Medical Association Symposium on Winter Sports Injuries at Collingwood on Jan. 8 presenting a paper entitled "Cold and Muscular Performance."

COMPUTER SCIENCE

Prof. T.E. Hull delivered a lecture to the Mathematics Department of Wabash College, Crawfordsville, Ind. on Dec. 2, on "Proving the Correctness of Computer Programs". Prof. Hull participated in the ACM Conference on Proving Assertions About Programs held at the New Mexico State University, Las Cruces, Jan. 6-7. He delivered an invited talk on "The Correctness of Numerical Algorithms".

Prof. C.C. Gotlieb gave a seminar to the Department of Applied Analysis and Computer Science of the University of Waterloo on "Formalism for Information Structures" on Jan. 12.

RUSSIAN AND EAST EUROPEAN STUDIES

Prof. H. Gordon Skilling attended the Conference on East Central Europe at Columbia University, Dec. 3 to 5, and participated in a panel discussion on "The Institutional Evolution of Eastern Europe". He took part in the Conference on Dissent in the Soviet Union at M. McMaster University on Oct. 22 and 23 and was chairman of a panel on The Pattern of Dissent.

THE PRESS

Some recently published titles
Oakville and the Sixteen 2nd edition by Hazel C. Mathews; \$20.00
The Race of Time by Herschel Baker; \$1.95 paperback; \$4.50 cloth.

Creative Canada Vol. 1 by the Reference Division, McPherson Library, University of Victoria, B.C. \$15.00

Canadian Books in Print 1971 edited by Harald Bohne. \$25.00

Land Tenure and Policy in Tanzania by R.W. James. \$12.00

Letters to Limbo by the Right Honourable Sir Robert Laird Borden, Prime Minister of Canada, 1911-1920; edited by Henry Borden. \$15.00

Canadian Annual Review for 1970 by John Saywell and Donald Forster. \$30.00

Canada and the Canadian Question by Goldwin Smith; \$12.50; \$3.50 paperback.

The Life Puzzle: On Crystals and Organisms and on the Possibility of a Crystal as an Ancestor by A.G. Cairns-Smith. \$6.50

The TRACE Econometric Model of the Canadian Economy by Nanda K. Choudhry, Yehuda Kotowitz, John A. Sawyer, and John W.L. Winder. \$10.00

Books on Asia from the Near East to the Far East — a guide for the general reader. Selected and annotated by Eleazar Birnbaum. - 341 pp. \$15.00

BOOKS

Problèmes de l'analyse textuelle / Problems of textual analysis. Leon, Pierre, Henri Mitterand, Peter Nesselroth, Pierre Robert (eds). Montréal-Paris-Bruxelles, Didier, 1971. pp. VI, 200.

DENTISTRY

On Jan. 20 Dr. W.D. MacKay presented a lecture and laboratory program to member of the R.C.M.P., O.P.P. and Metropolitan Police Forces on the application of materials in Forensic Odontology.

The eighth annual Capping Ceremony for First Year Dental Hygiene students was held in the auditorium of the Dental Building at 3 p.m. on Jan. 30. This event is an important milestone in the career of a dental hygienist in training, marking the end of the probationary period and the beginning of clinical practice. Dr. H.G. Poynton, Associate Dean of the Faculty, was guest speaker.

Dr. B.G. Radden, Reader in Oral Pathology, University of Melbourne, joined the Faculty of Dentistry on Jan. 1 for a six month period as a Medical Research Council Visiting Scientist.

Dr. Radden will be working with Dr. J.H.P. Main. Dr. Emil Steinhäuser of Zurich and currently at the University of Minnesota was the main speaker at the recent successful continuing education course in Advanced Oral Surgical Procedures. Dr. Steinhäuser is an internationally acclaimed surgeon in the maxillo-facial field.

Dr. A.M. Hunt, Associate Dean and Director of the Division of Postgraduate Dental Education and Director of the Division of Dental Research, has been granted a sabbatical leave for the academic year 1972/73. During this time he will study dental health services in Great Britain and the Scandinavian countries. Dr. Hunt will be based at the Public Health School, Faculty of Dentistry, University of Dundee, the Institute of Child Dental Health at the London Hospital Medical College Dental School, and at the Institute for Graduate Studies, Royal Dental College, Copenhagen.